

ABSTRACT OF THE DISCLOSURE

An expandable intraluminal endoprosthesis including a tubular member (1) a first diameter which permits intraluminal delivery of the member into a lumen of a body passageway, particularly a blood vessel. The tubular member (1) is capable of acquiring a second, expanded and deformed diameter upon the application from the interior of the tubular member of a radially outwardly extending force, which second diameter is variable and dependent on the amount of the force applied to the tubular member. Such a tubular member may be expanded and deformed to expand the lumen of the body passageway. The wall of the tubular member includes a substantially continuous structure (2) of mutually staggered undulations. This structure has been separated from a tube wall and exhibits at least one pattern which advances substantially helically along a longitudinal axis of the tubular member. Connection elements within the structure connect adjacent undulations to each other. These connection elements are an integral extension of the undulations thereby interconnected.

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